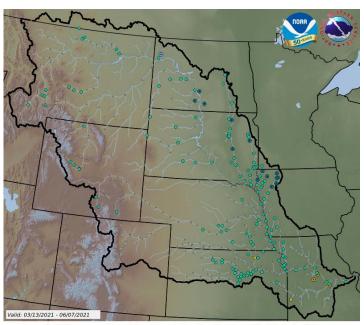
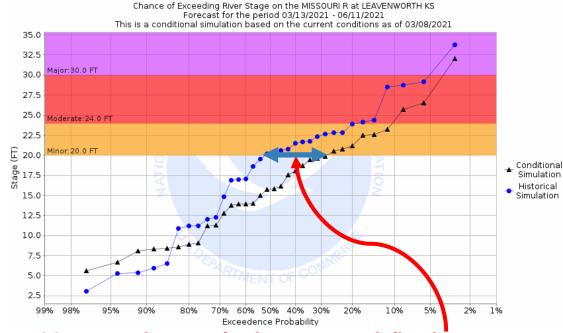
CHANCE OF REACHING FLOOD STAGE IN 2021 AS COMPARED TO HISTORICAL



Percent Difference of Reaching Minor Flooding Compared to Historical Average

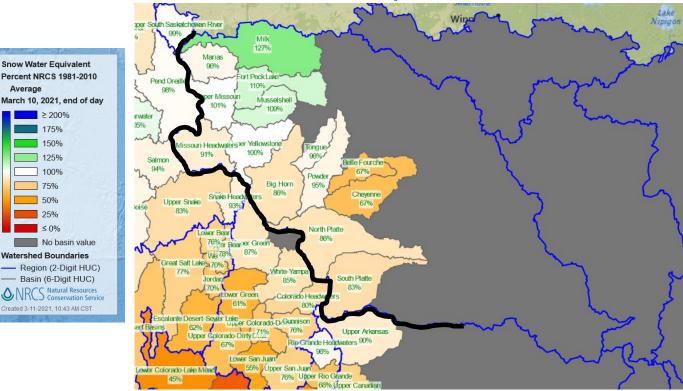
- -100% to -70%
- -29% to -10%
- 30% to 49% @ 50% to 69%
- @ -69% to -50% · -9% to 9% 9 -49% to -30% o 10% to 29%
- 9 70% to 100%



24 percent decrease in chance to reach flood stage (as compared to normal) during next 3 months



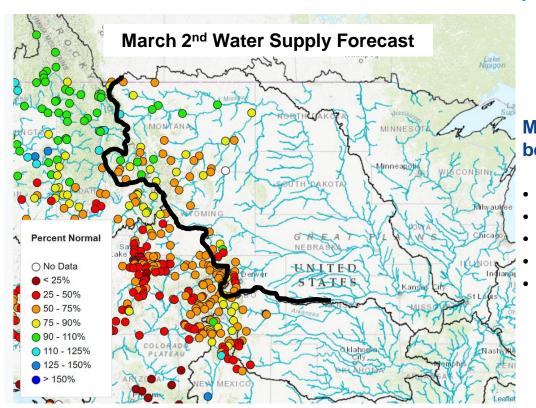
Mountain Snowpack As of 10 March 2021



Mountain snowpack running near average in the north,

to below average south.

Mountain Runoff Volume April-September

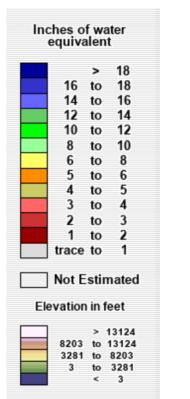


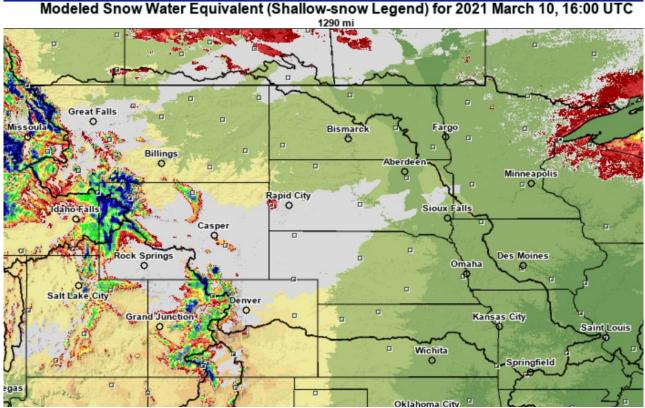
Mountain runoff volume projected to be below normal

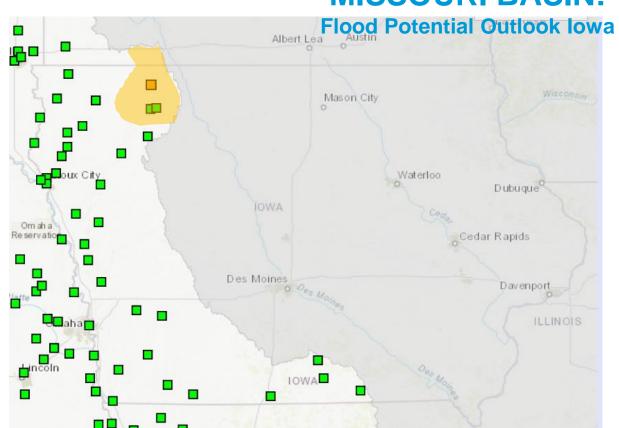
Milk: 55% 93% **Upper Missouri abv Ft. Peck:** Yellowstone: 77% **North Platte: 59% South Platte:** 61%



Plains Snowpack as of 10 March 2021

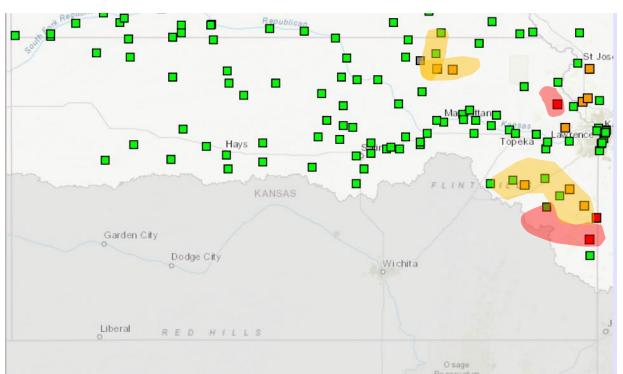






Little Sioux River: minor

Flood Potential Outlook Kansas



Big Blue River: minor

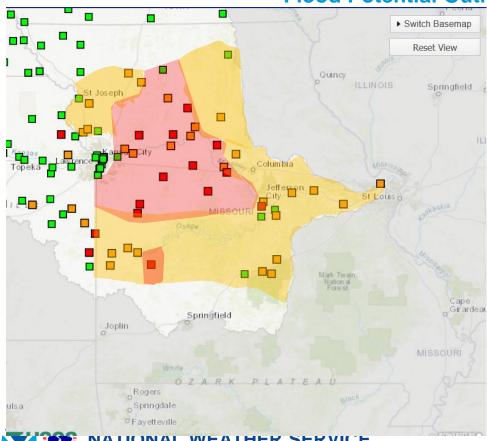
Black Vermillion: minor

Stranger Creek: moderate

Marais des Cygnes: minor

Little Osage R: moderate

Flood Potential Outlook Missouri



Grand River: moderate

Crooked River: moderate

Blackwater R: moderate

Lamine River: moderate

South Grand R: moderate

Big Creek: moderate

Wakenda Creek: moderate

Petite Saline Ck: moderate

Moreau River: moderate

Sac River: moderate

Chariton River: minor

Moniteau Creek: minor

Marmaton R: minor

Big Piney River: minor

Gasconade River: minor

Little Osage R: minor

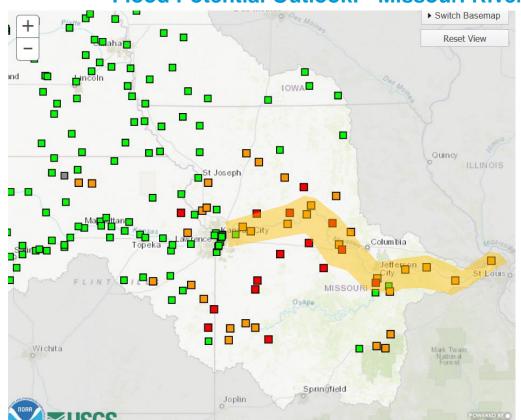
Osage River: minor

Platte River: minor

Maries River: minor

Roubidoux Ck: minor

Flood Potential Outlook: Missouri River Below Gavins to St. Louis



Minor flooding expected downstream of Kansas City

Flood Potential Outlook: Summary Points

- Overall, Spring Flood Risk is lower than normal.
- Mountain snowpack is average-to-below average this year. We still have roughly 20% of snow accumulating period remaining.
- Plains snowpack is negligible.
- Soils very dry over most of the basin. Ground remains porous.
- River ice concerns are diminishing.
- Significant flooding due to mountain snow runoff alone is not likely.
- Episodic minor-to-moderate level flooding likely in the lower portion of the basin (southeastern NE, eastern KS, southern IA, MO) due to Spring-time thunderstorm activity. This is typical.